Attorney Docket No. 1075.1233

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re F	Patent A	pplica	ation of:	
Isao I	WAGUC	HI, e	t al.	
Applic	ation No	o.:		Group Art Unit:
Filed:	July 21	, 200	3	Examiner:
For:	ACQU METH POINT SIGNA	IRING OD C AMF AL PR	S SIGNAL FOR USE WITH INF OF PROCESSING BAND LIMITA PLITUDE AND METHOD OF PR	ND APPARATUS THEREFOR, METHOD OF ORMATION READING APPARATUS, ATION, METHOD OF EXTRACTING TIMING COCESSING SIGNAL THEREOF, READ OD OF PROCESSING READ SIGNAL AND
			INFORMATION DISCLOS	SURE STATEMENT
	ant Con ington, [ioner for Patents 20231	
Sir:				
the su	ed certa bject U.	ain inf S. pa	ormation which the Examiner m	ovisions of 37 CFR §1.56, there is hereby ay consider material to the examination of that the Examiner make this information of f the subject application.
	1.	Encl	osures accompanying this Infor	mation Disclosure Statement are:
	1a. 1b. 1c. 1d.		application or a PCT Internation English language translation (deach non-English language pu Explanations of Relevancy of F	complete or relevant portion(s)) attached to
	2. 🛚			a concise explanation of what is presently each non-English language publication is
	2a.	\boxtimes	enclosed "English-language ve	s 2a, 2b, 2c and/or 2d) sh language publications were cited on the ersion of the search report or action which ace found by the foreign office". (See MPEP

	A(3): Concise Explanation of Relevance, pp. 600-100 to 600-101, Rev. 1,
2b. 🗌	Feb. 2000.) set forth in the application.
20. 2c.	satisfied because an English language translation (complete or relevant
20.	portion(s)) is attached to each non-English language publication.
2d. 🔲	enclosed as Attachment 1(e), hereto.

3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§1.97(g) and (h).

Respectfully submitted,

STAAS & HALSEY LLP

Dated: July 21, 2003

700 Eleventh Street, N.W., Suite 500

Washington, D.C. 20001 Telephone: (202) 434-1500 Facsimile: (202) 434-1501 Paul I. Kravetz

Registration No. 35,230

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1075.1233	APPLICATION NO.
		FIRST NAMED INVENTOR Isao IWAGUCHI, et al.	
LIST OF REFER	ENCES CITED BY APPLICANT	FILING DATE July 21, 2003	GROUP ART UNIT
(Use several sheets it	necessary)		

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	5,463,211	10/31/95	Arends et al.	235	462	5/7/93
	AB	5,061,843	10/29/91	Sato et al.	235	462	5/30/90
	AC	4,329,599	5/11/82	Gregorian et al.	307	520	5/29/80
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES	NO
A	G	HEI 6-348879	12/22/94	Japan			Abst	
A	Н	HEI 4-362796	12/15/92	Japan			Abst	
A	.1	HEI 2-44484	2/14/90	Japan			Abst	
A	J	HEI 8-147402	6/7/96 /	Japan			Abst	
A	K	SHO 57- 501105	6/24/82	Japan			Corresponds to US 4,329,599	
Α	L.							

OTHER REF	ERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)	
AM		
AN		
AO		

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in and not considered. Include copy of this form with next communication to a	

FORM PTO-	1449			OF COMMERCE MARK OFFICE	1075.1233	OCKET NO.	APP	LICATION NO.
		INCHIE	IND INCOL	WARROTTIOE	FIRST NAMED			
LIST OF	REFE	RENCES CIT	FD BY A	APPLICANT	Isao IWAG	UCHI, et		
LIOT OF		INDIO OII		a i Lioraii	FILING DATE	00	GRC	OUP ART UNIT
(Use severa	al sheets	if necessary)			July 21, 20	U3		
Listania								
	PATENT	DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME		CLASS	SUB- CLASS	FILING DATE
	AA			\ 		1 33.33		
	AB					1		
	AC		 				1	
	AD							
	AE							
	AF							
FORE	EIGN PA	TENT DOCUME	NTS	· r········				
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLAT YES	NO NO
	AG	HEI 57-	8/16/82	Japan			Abst	
1	1	132416			11			
	AH	2000-4122	1/7/00	Japan			Abst	
	Al	HEI 8-46555	2/16/96	Japan			Abst	
	AJ	2000-194840	7/14/00	Japan			Abst	
	AK							
	AL			1	11			
OTHE		ERENCES (Include	ling Author	, Title, Date, Per	linent Pages,	Etc.)		
	AM							
 	AN	 				 		
	\ \(\)							
	AO							
L	<u> </u>	l						
EXAMINER				DATE	CONSIDERE	D		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP02/00533

	IFICATION OF SUBJECT MATTER C1 ⁷ G06K7/10, G06T1/00							
According to	According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED								
	ocumentation searched (classification system followed to C1 G06K7/10, G06T1/00	by classification symbols)						
Jitsu Kokai	ion searched other than minimum documentation to the ayo Shinan Koho 1922-1996 Jitsuyo Shinan Koho 1971-2002	Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	5 1994–2002 5 1996–2002					
Electronic da	ata base consulted during the international search (name	e of data base and, where practicable, sear	ch terms used)					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.					
Х	JP 6-348879 A (Kunio HINATA) 22 December, 1994 (22.12.94), Full text; all drawings		1-3,9,11, 18,44,49,50 4-8,10,					
Y A	(Family: none) 12-15,19-25, 28-43, 47,48 16,17,26,27, 45,46,51-66							
Y	JP 4-362796 A (Tokyo Electric Co., Ltd.), 4-7,10, 15 December, 1992 (15.12.92), 19-25,28-4 Full text; all drawings (Family: none)							
Y	JP 2-44484 A (Eastman Kodak 14 February, 1990 (14.02.90), Full text; all drawings (Family: none)		· 8					
Furthe	er documents are listed in the continuation of Box C.	See patent family annex.						
* Special "A" docume consider date "L" docume cited to special "O" docume means "P" docume than the	* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date "E" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered n							
	actual completion of the international search pril, 2002 (12.04.02)	Date of mailing of the international sear 30 April, 2002 (30.						
	nailing address of the ISA/ nese Patent Office	Authorized officer						

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP02/00533

*****	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
ategory*	JP 8-147402 A (Nippondenso Co., Ltd.), 07 June, 1996 (07.06.96), Full text; all drawings	12,13,20-25, 28-43,47,48
Υ ,	(Family: none) /JP 57-501105 A (American Microsystems Inc., Hitachi, Ltd.), 24 June, 1982 (24.06.82), Full text; all drawings & DE 3172412 D & WO 81/3587 A1 & US 4329599 A1 & EP 55260 A & CA 1159910 A	14
Y	<pre>JP 57-132416 A (Victor Company Of Japan, Ltd.), 16 August, 1982 (16.08.82), Full text; all drawings (Family: none)</pre>	15,28
Y	JP 2000-4122 A (Icom Inc.), 07 January, 2000 (07.01.00), Full text; all drawings (Family: none)	32
Y	JP 8-46555 A (Japan Radio Co., Ltd.), 16 February, 1996 (16.02.96), Full text; all drawings (Family: none)	37
Y	JP 2000-194840 A (Victor Company Of Japan, Ltd.), 14 July, 2000 (14.07.00), Full text; all drawings (Family: none)	39,40
·		